2022 - 2023

QUALITY CONTROL TEST REPORTS

Client: Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Agency: M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha), Contractor, Bangalore.

Name of Work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

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QC ABSTRACT

Nameof Work: Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes
1	1:3:6	17.48 Cum	1	1	Pass
2	M10	29.12 Cum	3	3	Pass
3	Slab (250mm)	97.20 Sqm	1	1	Pass

Cubes

0-5 Cum	1Set
6-15 Cum	2Set
16-30 Cum	3Set
31-50 Cum	4Set

Add 1set for extra 50Cum

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
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BBMP, Bangalore

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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Job No.: CACE/BBMP/VE/W.No.10/2022-23 Date: 29.03.2023

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	**M/s Sree. Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.
NAME OF THE WORK	:	Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.
SAMPLE ID	:	Cement (Dalmia OPC 53 Grade)
DATE OF MANUFACTURE	:	February - 2023
DATE OF TESTING	:	27.03.2023 to 29.03.2023
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	340 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

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Job No.: CACE/BBMP/VE/W.No.10/2022-23

Date : 29.03.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of Work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Date of Testing : 29.03.2023
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	132	13.20	21.60	78.4	75-100
1.18	185	18.50	40.10	59.9	55-90
600 Micron	156	15.60	55.70	44.3	35-59
300 Micron	225	22.50	78.20	21.8	8-30
150 Micron	142	14.20	92.40	7.6	0-10

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Job No.: CACE/BBMP/VE/W.No.10/2022-23 Date : 29.03.2023

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of Work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Date of Testing : 29.03.2023

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	19	1.90	1.90	98.1	90-100
1.18	36	3.60	5.50	94.5	70-100
600 Micron	84	8.40	13.90	86.1	40-100
300 Micron	254	25.40	39.30	60.7	5-70
150 Micron	482	48.20	87.50	12.5	0-15

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Job No.: CACE/BBMP/VE/W.No.10/2022-23 Date : 29.03.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of Work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Date of Testing : 29.03.2023
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	184	3.7	3.7	96.3	95-100
10	2430	48.6	52.3	47.7	25-55
4.75	1965	39.3	91.6	8.4	0-10

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TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of Work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Date of Testing : 29.03.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	158	1.05	1.05	98.95	95-100
20	8230	54.87	55.92	44.08	30-70
10	3265	21.77	77.69	22.31	10-35
4.75	2814	18.76	96.45	3.55	0-5

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Job No.: CACE/BBMP/VE/W.No.10/2023-24 Date: 13.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of the work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{10}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.04.2023	13.04.2023	8.132	165.3	7.35
2	06.04.2023	13.04.2023	8.115	182.4	8.11
3	06.04.2023	13.04.2023	8.146	192.6	8.56

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Job No.: CACE/BBMP/VE/W.No.10/2023-24 Date: 04.05.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of the work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{10}

Compressive Strength as on : **28th day**

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.04.2023	04.05.2023	8.145	248.2	11.03
2	06.04.2023	04.05.2023	8.133	286.9	12.75
3	06.04.2023	04.05.2023	8.154	265.3	11.79

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Job No.: CACE/BBMP/VE/W.No.10/2023-24 Date: 13.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of the work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{10}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.04.2023	13.04.2023	8.136	166.8	7.41
2	06.04.2023	13.04.2023	8.154	186.3	8.28
3	06.04.2023	13.04.2023	8.146	159.4	7.08

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Job No.: CACE/BBMP/VE/W.No.10/2023-24 Date: 04.05.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of the work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{10}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.04.2023	04.05.2023	8.139	265.2	11.79
2	06.04.2023	04.05.2023	8.184	276.3	12.28
3	06.04.2023	04.05.2023	8.146	285.4	12.68

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Job No.: CACE/BBMP/VE/W.No.10/2023-24 Date: 26.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of the work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{10}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.04.2023	26.04.2023	8.150	184.5	8.20
2	19.04.2023	26.04.2023	8.132	169.5	7.53
3	19.04.2023	26.04.2023	8.145	176.2	7.83

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Job No.: CACE/BBMP/VE/W.No.10/2023-24 Date: 17.05.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.

Name of the work : Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{10}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.04.2023	17.05.2023	8.165	256.3	11.39
2	19.04.2023	17.05.2023	8.148	268.9	11.95
3	19.04.2023	17.05.2023	8.152	276.2	12.28

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Job No.: CACE/BBMP/VE/W.No.10/2023-24

Date: 17.04.2023

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Contractor	:	**M/s. Sree Vigneshwara Enterprises (Prop. Sri. K Narasimha),** Contractor, Bangalore.
Name of Work	:	Construction Of Emergency Culvert And Drains in Ward No.10 Kempapura, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	17.04.2023
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	112.00	1.656	2324.17	1.24	0.918	84.30	13.25	14.31	13.14	16.43
2	90.00	114.00	1.715	2364.75	1.27	0.921	89.60	14.08	15.21	14.01	17.51
3	90.00	116.00	1.789	2424.25	1.29	0.923	91.20	14.34	15.48	14.29	17.87

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